

# The Technology Review

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## WALKER MEMORIAL PLANS SUBMITTED

New lay-out described by Architect Bosworth at Council Meeting—Special Committee appointed—Lyman Underwood, '98, tells the story of the Beaver

Interest in the matters before the Alumni Council drew a large crowd to the Engineers Club on April 26. Among those who attended from out of town were R. H. Howes, '03, representative of the Technology Club of New York, C. F. Lawton, '77, of New Bedford, Theodore H. Skinner, '92, of the Syracuse Club and Percy E. Tillson, '06, of the Technology Club of Philadelphia.

During the salad course the field manager of the Alumni Association reported on the activity of the field work. He said that, although for some time there has been a Technology Club of the Connecticut Valley, there has been no local club at Springfield. Inasmuch as there are 75 men at Springfield it seemed desirable to form an association there, and on April 6, a meeting was held which was addressed by Eben Stevens, '68, of Boston, Professor Samuel Prescott, '94, of Boston, Charles C. Pierce, '86, of Boston, and the field-manager. A club was formed with the following officers: President, Frederic W. Fuller, '96; secretary-treasurer, George W. Hayden, '95; executive committee, Edmund P. Marsh, '89, Frank H. Page, '85, Maurice S. Chapin, '10.

Charles H. Chatfield, '14, who is taking a postgraduate course at the Institute, addressed the pupils of the Waterbury (Conn.) High School April 20, and all the Tech men in Waterbury were notified. Mr. Chatfield was provided with lantern slides showing the status of the new Tech buildings, and a number of local alumni attended the meeting. There are 27

Tech men in Waterbury, and letters have been received stating that it was likely that a local alumni association would be formed there.

Leonard C. Wason, '91, of Boston, addressed the newly reorganized club of Philadelphia on April 22, and had an audience of about 35. Arrangements have been made with the Philadelphia club for club membership in the Engineers Club, and meetings of the organization will be held there once a month, and the members will have certain club privileges.

One of the most interesting meetings of the month was the luncheon given by the Detroit alumni to Dr. MacLaurin on the 17th when he was there to address the Engineers Club. There were 60 men in attendance—practically everyone that was in town and able to be present. The meeting was an enthusiastic one and all indications are that the new spurt that the Detroit club has taken is likely to land it well up at the top of the list.

Merton L. Emerson, '04, on his trip to the Pacific Coast has had very successful and profitable meetings at Atlanta, Birmingham, New Orleans, Dallas, San Antonio and Los Angeles. He will visit San Francisco, Portland, Seattle and Minneapolis.

The field-manager addressed the Technology Club of New Bedford at a dinner on April 20. The Providence club is to hold its annual meeting on May 4, when it will be addressed by Dean Burton and Mr. Gay of the Stone & Webster organization.

# technology review

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Professor Spofford, who is to be in Chicago on May 10, will be the guest of the Northwestern Association at luncheon at the Hotel Morrison.

By lucky chance Percy Tillson, '06, former secretary of the Philadelphia club, and one who was largely instrumental in its reorganization, was present and told about the bright prospects for the future in Philadelphia.

The special nominating committee appointed to nominate new members for the undergraduate activities, made the following nominations: M. I. T. Athletic Association, Lawrence Allen, '07; Finance Committee, William Mattson, '13; Musical Clubs, Harold S. Wonson, '07; *The Tech*, Donald G. Robbins, '07; Tech Show, Charles Parker Fiske, '14.

As announced some months ago William Lyman Underwood, '98, has been studying the habits of the beaver and has secured some beautiful photographs of the new mascot of the Institute. In introducing him to the Council President Horn said that the New York club had done a lot of wonderful things. There is one man there who, in addition to the many things he had done for the club, was responsible for our emblem. He gave credit to Lester D. Gardner, '98, the discoverer of the beaver as the Tech mascot.

Mr. Underwood gave a most interesting talk on the beaver, his habits and his habitat, illustrated with beautiful photographs colored by himself. His story of the beaver is too long to be reproduced here, but we hope to be favored with it in another number of the *REVIEW*. He gave credit for many of his pictures of the beaver to Mr. A. Radcliffe Dugmore, an Englishman who has recently published the most reliable work on the beaver. Pictures of the beaver are very difficult to get as the animal works at night and is very wary. Other books on the beaver referred to by Mr. Underwood were those by Ernest Thompson Seton and Enos Mills.

Following Mr. Underwood's talk President Horn introduced Architect Bosworth, who presented a set of new plans for the Walker Memorial and dormitories. He explained that the plans shown at the

last meeting had been made in a hurry, principally to provoke discussion so that he could determine what was desired. He had met with the Walker Memorial Committee the next day after the Council meeting, and having found out what the Walker Memorial ought to be, these new plans had been produced. The character of the architecture, he explained, was in tone with the main group of educational buildings. It is much less formal, however, and the curved portico, with its columns, is intended to carry with it some agreeable reminder of the steps of Rogers. He then described the plans which are shown in this number of the *REVIEW*. In answer to questions he stated that the Walker Memorial would have a frontage of 130 feet on the water, and it was intended, roughly speaking, to cost \$200,000. The auditorium will seat about 400. The building can be extended to more than twice the size of the building now presented.

Mr. Horn suggested that the shaded part of the plan back of the Walker Memorial building, which indicates the ground left for its development, would be a good place for some friend of the Institute to deposit \$500,000. Mr. Bosworth stated that the Walker Memorial would be constructed of the same material as the main group; that is, of Indiana limestone. The rear of the memorial may be considered unfinished and could be built of brick.

Mr. Whiting expressed the hope that at least a small portion of the money he had subscribed to the Alumni Fund would be used in that building. He said that it was so very beautiful that he would like to feel that he had a part in it.

Proctor L. Dougherty, '97, asked when the building is to be built.

By way of answering this question President Horn introduced Professor Harry W. Tyler, '94, who stated that the query was a good introduction to his remarks. After describing the plans of the new social buildings of the University of Michigan, he referred to the new buildings for the Walker Memorial, saying that the drawings were the best and main part of what the committee had to present.

Among the committee he said that there was a general feeling of gratification and enthusiasm in comparison with the plans presented at the last meeting. He then introduced the following motion, which was unanimously carried:

"That the Council express its general approval of the plans presented by Mr. Bosworth and its hope that they may be carried out by the Corporation, subject to such minor changes as may be agreed upon with the Walker Memorial Committee.

"The committee believes that as soon as plans shall have been approved by the Corporation and the committee an appeal should be issued for the payment of all outstanding Walker Memorial subscriptions. With a view to avoiding any appearance of duplication the committee recommends:

- "(1) that a special committee of three be appointed by the Council to confer with President Maclaurin, in order to determine how the necessary additional funds for completing the plans approved and for equipment shall be obtained;
- "(2) that this committee consist of the president of the Alumni Association, a member of the Alumni Fund Committee and a member of the Walker Memorial Committee appointed by these committees respectively;
- "(3) that the proposed committee be requested to report at the next meeting of the Council."

James P. Munroe, '82, of the Dormitory Committee, who was called upon, said that the Executive Committee of the Corporation and the committee of the Council had met and come to a pretty clear idea of how the matter can be handled. Unfortunately the members of the Executive Committee are pretty busy just now and he could make no definite report. He hoped, however, to be able to present his report at the next meeting of the Council. He stated that things were moving very satisfactorily.

Mr. Horn then presented A. F. Bemis, '93, who during his recent trips has given a great deal of attention to the housing conditions of other colleges. Mr. Bemis showed some lantern slide pictures of the

dormitories and gymnasium at the Northwestern University, Evanston, Illinois, of Washington University at St. Louis, and Tulane University at New Orleans. At the Northwestern University the staircase system is used, and between the regular dormitories are fraternity houses. These houses are particularly interesting in one respect and that is that the top story of the buildings, under the roof, is left as a great hall with large windows at each end. This hall is used as sleeping quarters, the windows being left open at night. There are no sleeping accommodations in the living rooms of the students. In the dormitory refectory Mr. Bemis had one of the best meals he ever has had in his life at a cost of forty cents. The average meal check was found to be twenty-five cents, or an average of a little over five dollars a week. Another interesting fact was that the fraternities had secured the money for building their own houses. These houses were provided with kitchens and dining rooms, but the members of all the fraternities dine in the general college lunch room once a week. Students pay \$100 a year for the rent of their dormitory rooms. This includes furniture and service. At the Washington University, St. Louis, the dormitories were two and one-half stories high, built on the staircase system. They were somewhat simpler than those at the Northwestern University. At Tulane University the staircase plan was also used, and the gymnasium he showed was interesting as it is similar to the one proposed for the Walker Memorial. In conclusion Mr. Bemis said that he had been delightfully entertained by the Tech clubs at St. Louis and Indianapolis, where about 20 men were present in each case. All the men he met were interested in the Institute and anxious for news.

Dr. Tyler pronounced the valedictory as follows: "If the untutored beaver of the woods has the intelligence implied by Mr. Underwood, to appreciate that the mass of a cylindrical log varies as its length and inversely as the square of its diameter, surely the educated Tech alumni beavers will know how to build a dam across the financial stream of State street."

## THE CHARM OF THE NEW BUILDINGS

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The "Listener" in the *Transcript* describes the beauties of architecture that are now being revealed across the Charles

During the past few weeks the new Tech has risen into view across the waters of the Charles—a new feature, hereafter ever to be the great feature, of Boston's Back Bay Venetian aspects. Now that the roofs are on the great wings and one gets the shadows under the cornices and in the long window embrasures in a colonnade effect, and in the mass and sky-line, the reserve and refinement of the Renaissance architecture show even across the river. So well balanced and proportioned are the great masses that they do not give the impression of the bigness of scale that they really have. That is discovered only in the dwindling of the huge Riverbank Court which before this seemed like a fairly large pile—while the defunct Boot and Shoe Exposition building, though of good enough proportions with its dome and pilasters—is made to look like thirty cents. It is on approaching the buildings along the Cambridge embankment that one discovers that the largeness of scale is carried out even to the size of the blocks of stone of which they are built. The expanse of the grand court is something overwhelming, and yet, besides this, the buildings are so arranged, in enclosing it, as also to enfold two subordinate courts on either hand. These closes, when they are sodded, and perhaps graced with trees or shrubbery, must accentuate the sense of privacy, the atmosphere of study and of experiment; while a single towering statue of Minerva, Science's divinity, must heighten again the effect of spaciousness in the main enclosed area.

This is all forecourt to the central administration building, which forms the grand base of the design. The background of the court will be its broad front of columns and its dignified but low and storied dome. None of this main building yet appears above the foundation.

But the model shows under this dome a rotunda of imposing proportions and superb, but serene and chaste beauty. This interior reminds one of the Capitol at Washington at first glance. The ornament is that of dignified columns and a rich frieze. In fact, throughout the enormous wings thus far roofed in, the same law, as regards the question of beauty and ornament, is observed. The beauty is in the harmony of proportions, the ornament is wholly and solely in the lines and elements of the structure. The greatest factor of all is the size, the imposing scale, and with such masses and weight much mere ornament would be impertinence. The masses are the impressive thing. And by the way these masses, and the combined extent of them along the waterfront, have not only dwarfed the neighboring big buildings, as said before, but they have also narrowed the river, notwithstanding that it is here at its broadest—so broad, indeed, that it has been a favorite idea, among some dreamers of the future beautifying of Boston, to build an artificial island like that in the Seine in the heart of Paris, under Notre Dame. In the course of President Maclaurin's latest report it is mentioned that Mr. Ralph Adams Cram has been added to the Faculty as professor of architecture. "Mr. Cram comes to the Institute," says the President, "with established reputation as a practising architect, great interest in the work of teaching, and unbounded enthusiasm for the task he has undertaken." But he will surely have to leave his Cathedral island behind him, for the river is now not a whit too wide to carry the magnificent proportions of the new Institute.

How big it will be, when the whole of the great plant is complete, can be inferred from the fact that, huge as the buildings already in sight are, as a mass

## NOTICE TO PANAMA-PACIFIC VISITORS

The Technology Association of Northern California cordially invites you to monthly dinners held at the University of California Club, 211 Stockton St., San Francisco, June 8, July 13, August 10 and September 14th; price \$1.00.

Please register at Exposition Palace of Education, Massachusetts booth.—G. E. Atkins, '04, Secretary, Hobart Bldg., San Francisco, Cal.

If you visit Portland you will find Tech men at the Hazelwood Luncheon every noon, and you will be heartily welcomed.—R. E. Cushman, '06, Secretary, 266 E. 27th St., N., Portland, Oregon.

Tech headquarters have been established at the Anderson Supply Co., 111 Cherry St., Seattle, Washington. and we want to at least shake hands with you if you come our way.—Leonard T. Bushnell, '05, Chairman, Hospitality Committee, Seattle National Bank Bldg.

upon the embankment, they are not more than half, if as much as that, of what is to come there. "When the Institute establishes itself in Cambridge," says the President, "there will be a community of nearly twenty-five hundred students, instructors and working staff within its walls. It will be highly inconvenient for most of these people if they cannot get at least a midday meal on or near the premises. One of the urgent needs will be to provide a suitable commons for this purpose." Then there will be the Walker Memorial, which is to be the future centre of social life among the students. Moreover a large proportion of the frontage on the Charles River has been set aside as a site for dormitories—"the lack of which is one of the most serious defects of the Institute," says Dr. Maclaurin. A suitable group of buildings along the waterfront might be, as Dr. Maclaurin cannily suggests, considered a great opportunity for giving further touches of Venetian beauty to the basin and hence should appeal to the public-spirited citizens of Boston and Cambridge, looking forward to a more beautiful Boston as a conse-

quence of the choice of this site for the Institute. Already the cost of preparing the land and of erecting and equipping the buildings under construction is largely in excess of the money which has been given for these purposes. The largest subscriptions promised have been paid, but many expected gifts have been postponed on account of the war. Half a million dollars will be needed for the equipment of the buildings alone, and we hear that as yet very little has been given for this purpose. Regarded merely on the low ground of an advertisement for Boston, there is nothing to equal it. The eighteen hundred and sixteen students come from all the States in the Union and the number of foreign students is larger than ever before, with forty-six from China. Harvard is now so linked up with the Institute of Technology in engineering and applied science, the rights, dignities and titles of the professors of the University and of the Institute being identical, that it would be hard to say whether Tech is now become Harvard's at last, or Tech has taken Harvard under its wing.—*Boston Transcript*.



## Technology Day in Detroit

President Maclaurin's visit to Detroit April 17 was an important event in the history of Detroit Technology alumni. A committee of five of the members met him and Dean Goss, '79, of the University of Illinois, at the railroad station and drove them to the residence of William H. Sellew, '97, where breakfast was served. Later on the Ford plant was inspected, and after that an automobile trip was taken around the city, including Belle Isle and Gross Pointe, stopping a few minutes at the Country Club, the ride terminating at the Pontchartrain in time for the alumni luncheon. Fifty-seven Tech men joined in a hearty cheer for the doctor as he came into the dining room. William R. Kales, '92, president of the Detroit association, was unavoidably detained in Chicago, and Tracy Lyon, '85, acted as toast-master. Mr. H. H. Esselstyn, president of the Detroit Engineering Society, was also the guest of the club. Dean Goss made a short talk and was followed by the President.

President Maclaurin spoke interestingly about Technology affairs, present and future, but mostly future, and surprised his audience with the statement that one of the most difficult problems is going to be the limiting of the number of students. He said that the alumni could assist the Faculty in this problem by influencing the right kind of young men to come to the Institute, because no set of examinations yet devised can properly test a man's real value. Photographs of the new buildings at Cambridge were passed around, and all were much surprised at the great progress that is being made.

In the evening President Maclaurin was the principal speaker at the annual meeting of the Detroit Engineering Society. Just before he spoke a rousing Tech cheer was given, all the Tech men present being seated in a solid group. Dr. Maclaurin's subject was "Broadening the Profession of Education," and it was a matter of congratulation that the new president of the association, who was inducted into office that evening, was O. W. Albee, '93.

It was Technology's day in Detroit, and the President's visit will mean a great deal to the local association.

D. V. WILLIAMSON, '10, *Secretary*.

## A Remarkable Piece of News

Some of the statements in regard to the Institute of Technology published by distant newspapers are sometimes very misleading and occasionally absolutely wrong. Perhaps the most marvelous of all these statements was published in the San Antonio (Texas) *Express*, February 17, 1915. It is as follows:

Boston,—Rear Admiral William T. Sampson has been offered and has declined the presidency of the Massachusetts Institute of Technology. Reports have connected with the presidency of the Institute many names of persons prominent in public life, among whom are Secretary of the Navy, John D. Long, former Governor Walcott, President Seth Low of Columbia University.

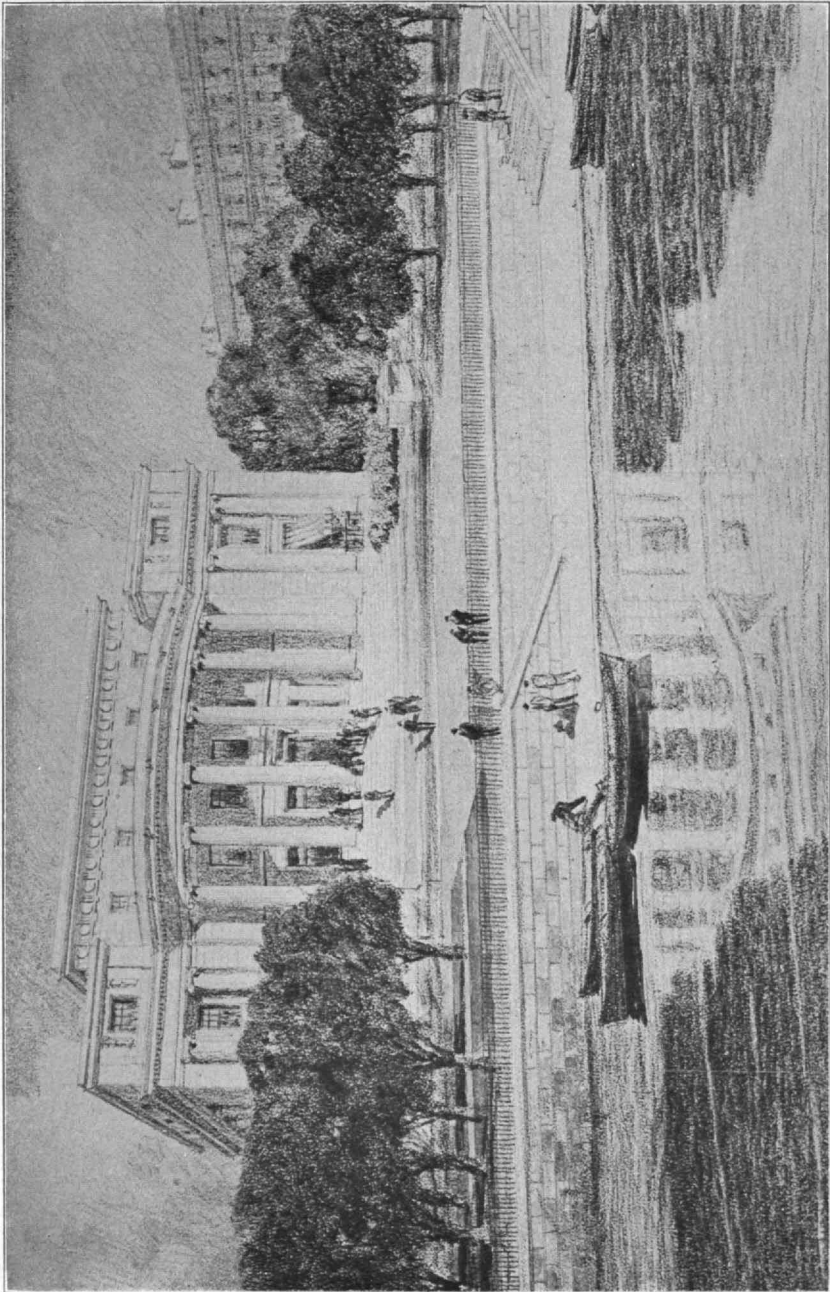
## Ten Thousand for Tech

By the will of Miss Helen Collamore, 317 Commonwealth avenue, Boston, the Institute of Technology receives a legacy of \$10,000, the income to be used primarily to aid women students in post-graduate courses, and secondarily for the purchase of instruments for the chemical laboratory.

Miss Collamore's bequests total \$663,000. Two hundred and twenty thousand of it was bequeathed to the Homeopathic Hospital, and \$100,000 each to the Museum of Fine Arts and Simmons College; \$20,000 was given to Radcliffe.

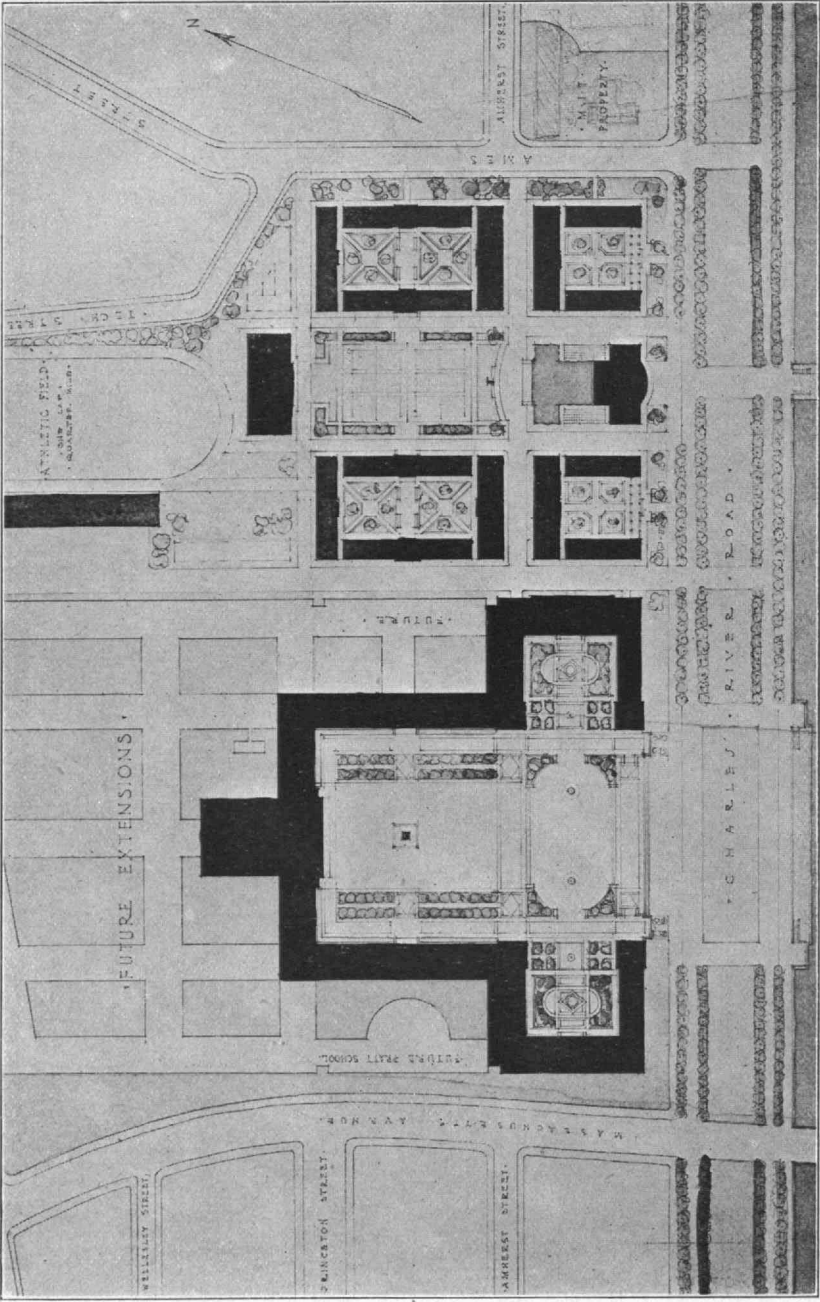
## Indianapolis Entertains Bemis

Local alumni of the Massachusetts Institute of Technology gave a luncheon at the University Club in honor of A. Farwell Bemis of Boston, Mass., March 30. Mr. Bemis is a former president of the general Alumni Association of the school and a member of the Institute Corporation. He spoke on the improvements made recently to the Institute and outlined the work which will be done as a result of a merger with the Harvard engineering school. J. L. Wayne, president of the Indiana Alumni Association, presided.—*Indianapolis Star*.

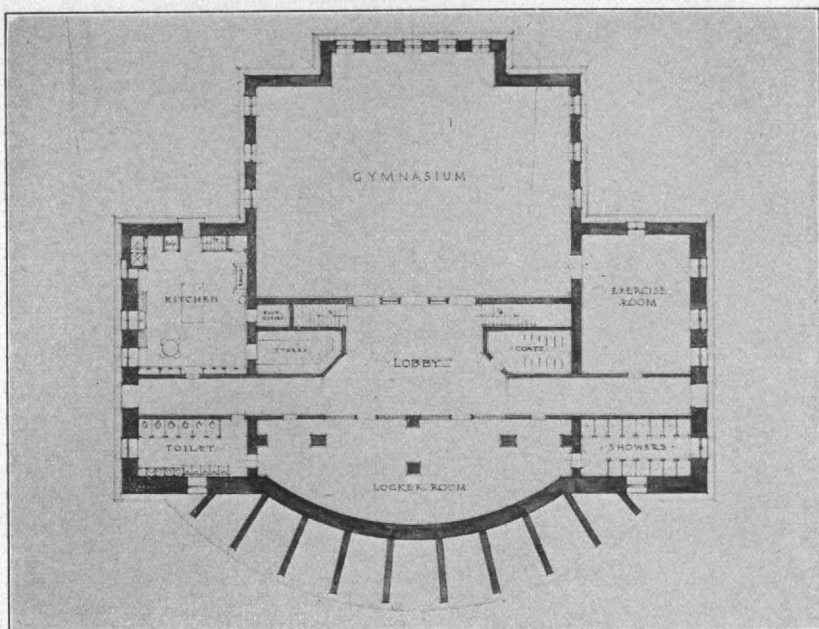


Sketch for proposed Walker Memorial Building, presented at the March meeting of the Alumni Council, by Architect Bosworth

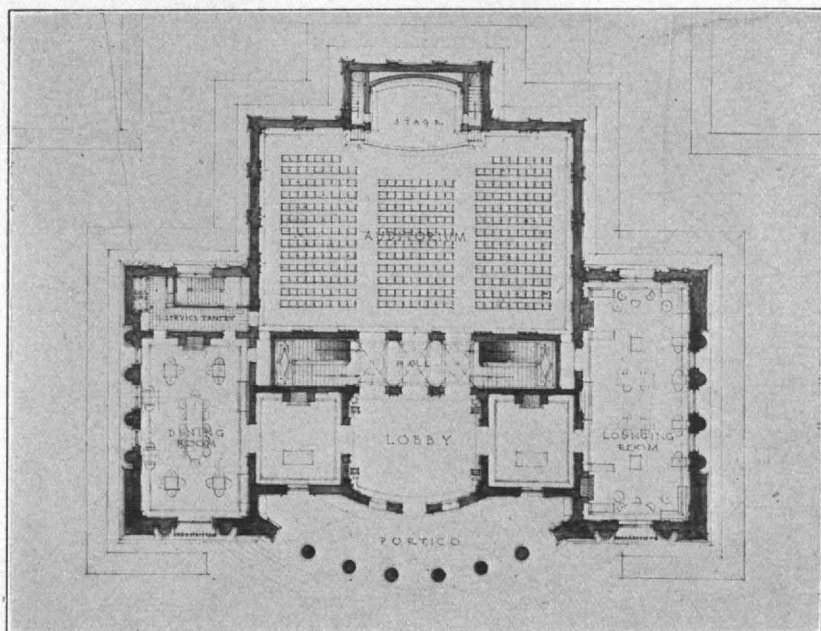




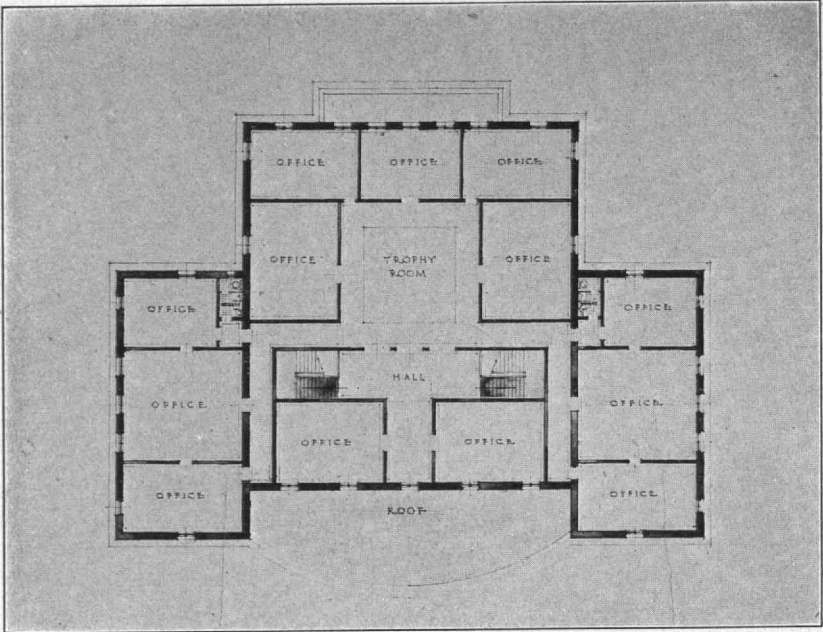
Suggested plan for Student Buildings, on right. In center, Walker Memorial in black, shaded portion showing room for expansion. The quadrangles represent the Dormitories and the Gymnasium is back of the Tennis Courts.



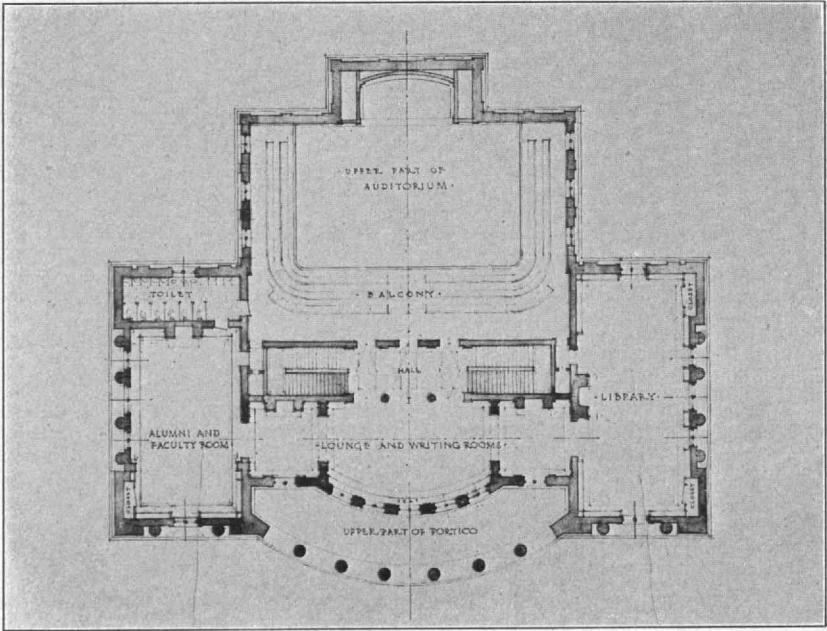
Basement plan of the proposed Walker Memorial



First Floor plan of the proposed Walker Memorial



Third Floor plan of the proposed Walker Memorial



Second Floor plan of the proposed Walker Memorial

### New Club at Springfield

Seventy-five former members of the Massachusetts Institute of Technology, all residents of this city, met at the Worthy Hotel, Springfield, April 6, and after a banquet formed a Technology club. The new organization is the result of the effort of I. W. Litchfield, '85, of Boston.

The officers of the new club are as follows: President, Frederic W. Fuller, '96; secretary and treasurer, George W. Hayden, '95; executive committee, Edmund P. Marsh, '89, Frank H. Page, '85, Maurice S. Chapin, '10.

Mayor Frank E. Stacy, who was a guest, presided at the piano while the company sang the "Stein Song." In his brief remarks the mayor related a story told by Governor Walsh in which his duties were stated by a small boy as "doing nothing." Mayor Stacy pleaded not guilty to the allegation in his case. At 5.30 o'clock he said he had to greet the Governor of Vermont, later he had to hand the diplomas to the graduates of the Evening High Schools and "now he was brought down there."

E. P. Marsh called the gathering to order and introduced Mr. Litchfield as the toastmaster. Prof. Samuel C. Prescott, '95, head of the biology department, represented the institution and brought the greetings of President Richard C. Maclaurin. The other speakers, Eben S. Stevens, '68, a member of the first class to graduate from the school, and Dr. Charles Pierce, '86, came from Boston to arouse the latent enthusiasm of former students, and they were successful.

Dr. Prescott emphasized the importance of former graduates and former students having something to say about the conduct of the Institute, and in no other way could this object be obtained than by having an organization that would elect a representative to the Alumni Council. He suggested that the quickest way to bring it about was the formation of a club.

Dr. Charles C. Pierce extolled the wonderful spirit of the new Tech.—*Springfield Union*.

### Willard Gibbs Medal to Dr. Noyes

The Willard Gibbs medal for eminent research in theoretical or applied chemistry was presented to Dr. Arthur A. Noyes at the annual banquet of the Chicago section of the American Chemical Society, which was held in Chicago April 17. The award was followed by an address by Dr. Noyes on "A System of Qualitative Analysis Including Nearly All the Elements."

The Willard Gibbs medal receives its name from one of the leading figures in American chemical history. Dr. Noyes is the fifth to receive this emblem.

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### Dallas Men May Organize

A few of the Technology alumni in Dallas got together April 13 and entertained Merton L. Emerson, '04, at a luncheon at the Oriental Hotel. It was a very happy occasion, for the Dallas men seldom have the opportunity to entertain a Boston alumnus, and Mr. Emerson was well posted on the affairs they wanted to hear about. As the result of this meeting the men are desirous of creating an organization and having weekly luncheons at one of the hotels with an occasional evening dinner and possibly a theater party.

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### Mr. Humphreys Made President

At the annual meeting of the American Association of Collegiate Registrars, which was held in Ann Harbor, Michigan, last month, Walter Humphreys, '97, registrar of the Institute, was elected president. The next convention will be held at Columbia University, New York City.

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### Death of Edgar H. Mumford

Edgar H. Mumford, '86, died at his home in Plainfield, N. J., April 18, at the age of fifty-three. Mr. Mumford was well known as an inventor and a manufacturer of moulding machines. He was a member of the American Society of Mechanical Engineers, Engineers and Machinery Clubs of New York. He leaves a widow, two sons and two daughters.



## TECH SHOW PLEASES ALUMNI

Large and brilliant audience cheers the clever performance and pronounces it the best show given to date

During the last decade each succeeding Tech Show has been an improvement on its predecessor, and the performance given at the Opera House April 17 was superior to anything that has ever gone before it. Two performances were given in Boston, one in the afternoon and one in the evening. The evening performance was devoted to the alumni as has been the custom for the last three years, and the house was packed to the upper galleries with a Technology audience of unusual brilliancy. The boxes were early taken by the celebrating classes, chief among them being the class of 1890. Class banners were hung over the rails and the cardinal and gray of the Institute was everywhere in evidence. Between the acts a banner of the class of '90 was undraped and hung over the auditorium while the audience rose and cheered for the celebrating alumni. Between the acts Alden Waitt, '15, led the cheering and the songs.

From an alumni point of view the performance was perfect. There was something of interest doing on the stage every minute, and as each surprise was sprung on the house, it responded as only an audience under these circumstances can.

The entire show was the product of undergraduates. The play was written by Irving B. McDaniel, '16, who was also largely responsible for the music. Among the other musical contributors were Francis P. Scully, '15, and L. P. Stone, '18. The Tech orchestra furnished music that was almost professional, and a great deal of the stage work was done by students.

The play was entitled "Getting A-Cross," and it was the seventeenth annual Tech Show. The scene was laid in France, and the cast and chorus included seventy students. The first act opened on a garden scene at the Riviera. The populace are preparing for their annual carnival, and General Pi  re le Boob, hero of

the Franco-Prussian War, has arrived in pursuit of pleasure. He is accompanied by his staff and his daughter, Honor  e, who is the pride of her father's heart and regiment. Bob Scott, a young Technology alumnus in Europe on a scholarship in architecture, meets Honor  e and falls in love with her. Honor  e reciprocates the feeling, but sees an insuperable obstacle in her father's determination that her future husband must have won the Cross of the Legion of Honor. Bob tries to argue it out with the general, and, although not successful, is given some valuable secret papers in charge until the following day, and feels that he has made some advancement in the father's eye. It seems that a number of spies from foreign countries have been observed, and the general feels that no one would suspect happy-go-lucky Bob of having anything of so much importance. The secret is found out, however, and Bob's colored valet is persuaded to secure them and sell them. Who has secured these papers is unknown. There are many comical situations produced during the period of suspicion. The general is suddenly called away to Chamonix without being able to communicate with Bob and, therefore, knows nothing of the theft.

The second act opens in the Alps along the French border. War has been declared between France and Germany and some tourists are stranded here. All the hotel help has enlisted when Bob arrives to join the general and return the papers, not knowing that they have been stolen. Both he and his colored servant are obliged to act as waiters at the inn, which gave an opportunity for a number of special acts. Bob finally discovers his loss, but through the assistance of Colonel Green, a secret service agent from the United States, is able to recover the papers. Bob receives the cross of honor for his services and is rewarded with the hand of Honor  e.





Bob, Honorée, Reggie and Hortense

The show was filled with snappy songs, "Down with Liquor," "When It Is Moonlight on the Riviera," "Canoe Song," and "My Aeroplane Hero" being among the most appreciated. During the canoe song an evening on the Charles at Riverside was depicted on the stage, and, in the last act when the aeroplane song was sung, a large Blériot flying machine was introduced.

By far the most fascinating feature of the whole performance was the dancing of J. Paul Gardner, '17. His performance at the end of the second act has perhaps never been matched in college theatricals. Messrs. Tarpley, '17, and Staub, '15, won much applause for their graceful dancing.

The three principal female rôles were

taken by Staub, Owen and Wallace, who were feminine to the backbone with the exception of their masculine roars when they joined in the dialogue. H. C. Williamson, '16, as "Bob Scott" sang extremely well.

The best part of the whole performance was that the audience was thoroughly and heartily in sympathy with the players from start to finish, and the applause was whole-souled and continuous. These alumni nights at the Opera House have unquestionably become a pleasant fixture of Technology social life. They are bound to continue and increase in interest as long as we can get the Opera House for the performances of the Tech Show.

### Tech Night in Kansas City

The story of a great educational institution completely rebuilding itself at a total cost of ten millions of dollars was told and shown in stereopticon pictures last night at the meeting of the Kansas City alumni of the Massachusetts Institute of Technology of Boston, held at the Y. M. C. A. The school, better known as "Boston Tech," now houses in its old buildings about 1,800 students. When the new buildings are taken over in the fall of 1916 at least three times that number will be able to take the fifteen professional and scientific courses.

A new campus of fifty acres was purchased several years ago across the river Charles and work was begun a year ago on the group plan, the Grecian style of buildings, constructed of concrete with facings of marble, being erected at a cost alone of three millions. They are now half completed and the Administration Building will be finished this spring.

The funds for the big educational plant were raised among the alumni of the school. One anonymous gift of two and one half millions was made to start the subscription and before the ten millions required for the construction work and the purchase of the necessary scientific equipment was completed, two other gifts exceeding one half million dollars were made.

"Undoubtedly no finer plan ever has been worked out for any school or college," G. M. Holbrook, president of the Alumni Association, said.—*Kansas City Times*.

### Meeting in New Orleans

The first meeting that the Technology Club of the South has held for some time took place at one of the French restaurants in that city, Saturday, April 10. The guest was Merton L. Emerson, '04, of Boston, who has the happy faculty of description, with fine enthusiasm, and he pictured to the men the new Tech buildings rapidly rising on the banks of the Charles. He explained the Harvard-Tech coöperative arrangement, and the local men were glad to know that Professors Swain and Clifford would be on the

Technology Faculty once more. The meeting served as an introduction of several of the men who had not met before, and as a result the Technology Club of the South will be reorganized and become more active in the future.

### Luncheon for Emerson in San Antonio

Merton L. Emerson, '04, who has been making a round-up of Tech clubs in the southern circuit, was entertained at luncheon by the alumni of the Institute at San Antonio at the St. Anthony Hotel on Thursday, April 15. The arrangements were made by George R. Gaenslen, '04, and Alfred G. Ranney, '13. Although there are twenty-three Tech men in San Antonio a large number of them were out of town, but half of them were present at the luncheon. Mr. Emerson told all the latest news about the Institute and the Alumni Association. It is probably the first alumni meeting of Tech men that has ever been held in San Antonio, and it is hoped that it will result in the forming of an organization there.

### Professor Winslow on Yale Faculty

Announcement was made last month that Professor Charles-Edward Amory Winslow, '98, professor of biology of the College of the City of New York, curator of Public Health, American Museum of Natural History, and head of the division of publicity and education of the New York State Department of Public Health, has been appointed professor of public health in the medical school of Yale University of the Anna M. L. Louder Foundation.

### Death of M. A. Vielé

Maurice A. Vielé, '86, president of Vielé, Blackwell & Buck, consulting engineers, 49 Wall street, New York City, died in New York April 10. Mr. Vielé was a veteran of the Spanish-American War, and went to the front as adjutant of a corps of engineers which was recruited and sent out by the General Electric Company, with which company he was associated for many years.

### Luncheon at Atlanta

The Atlanta Association of the M. I. T. called a special meeting on April 7, to entertain M. L. Emerson, '04, and hear from him of the progress that the Institute and alumni are making all over the country. The occasion was an informal luncheon at the Winecoff Southern Gardens. Mr. Emerson gave an exceedingly interesting talk on the new Tech buildings, new courses, and the alumni work. He told especially of the efforts that the Alumni Council is making to arrange for the building of the Walker Memorial and the dormitories as soon as possible.

On Thursday noon, April 8, the Atlanta section of the Engineering Association of the South, of which Lawrence M. Thacher, '86, president of the Technology Club of Atlanta, is president, held a luncheon meeting at the Chamber of Commerce, and Mr. Emerson was invited to make an address. He took for his subject the new course in engineering administration at the Institute. The audience exhibited a great deal of interest in the course, which they recognized as a new departure in educational development.

Mr. A. D. Little, '85, was a guest of the Chamber of Commerce on April 5, where he read his paper on the "Industrial Possibilities of the South."

### Faculty Changes at Tech

At the last meeting of the Executive Committee of the Institute the following advances in grades were made to members of the instructing staff:

Associate Professor Henry G. Pearson is advanced to the grade of professor of English and he will be placed in charge of the department on the retirement of Professor Arlo Bates at the end of the present academic year. The following assistant professors were advanced to the grade of associate professor in their respective departments: Dr. Robert F. Bigelow, zoölogy and parasitology; W. Felton Brown, freehand drawing; Harold A. Everett, naval architecture and H. R. Kurrelmeyer, German. Instructor Henry B. Phillips is advanced to assistant pro-

fessor of mathematics, and assistant instructors K. C. Robinson and John E. Bird are advanced to the grade of instructor in mechanical drawing. Miss Ruth M. Thomas, research assistant in organic chemistry, is advanced to research associate in the same department.

The title of Professor A. E. Kennelly has been changed from chairman to director of the Research Division of the Department of Electrical Engineering.

### Photographs Requested

The Board of Governors of the Technology Club of New York will be very grateful to receive from friends, whether they are members or not, photographs or groups of Institute men to be hung in the various rooms of the club. Any picture of a Tech group is likely to fall under the eye of a classmate or some one acquainted with the pictured members. By having a considerable number of these photographs the hospitality of the club will gain a note of intimacy. Please send pictures to F. C. Schmitz, Secretary, 17 Gramercy Park, New York City.

### Chowder Party at New Bedford

The Padanaram club house of the New Bedford Yacht Club was the scene of a Technology chowder party April 20th. The chowder and an unlimited number of baked clams served as a foundation of the proposed new student buildings—a foundation thoroughly approved by the civil engineers present. President Wing occupied the chair and Field Manager Litchfield told the story of the progress on plans for the Walker Memorial and dormitories.

### Dr. Norris goes to Vanderbilt

Dr. James F. Norris, head of the department of chemistry at Simmons College, who was assistant professor of organic chemistry at the Institute for nine years, had been appointed head of the department of chemistry at the Vanderbilt University, Nashville, Tenn., where he will take up his duties next fall.

## An Experiment in Instruction

Beginning with the second semester this year the Massachusetts Institute of Technology started, as an auxiliary measure, a promising scheme of individual instruction. The increasing number of students has in most schools outstripped the increase in the number of instructors to such a point that the classes themselves, while possibly not unwieldy, certainly do not allow that individual attention which was so prominent in the earlier days of our technical schools. Even if the sections be small an instructor who has, instead of three large ones, six small ones would be seriously overburdened by trying to give attention to his students outside of the class hours. It is true that in order to get at the individual pupil effectively small sections are necessary. This is especially the case in mathematics, and one of the reasons why the instruction in that subject at the United States Military Academy is so thorough and effective is because the cadets are taught in very small groups. The Massachusetts Institute of Technology has an exceptionally high ratio of instructors to students, but this merely signifies that there is an immense amount of instructional work in a very great variety of courses, and does not imply that instruction can be individualized sufficiently to get results which will satisfy a conscientious instructor.

The new scheme had its origin in the interest of the alumni and is the good work of the Technology Club of Rochester, N. Y. The scheme is to have available at a certain hour and place, advisers to discuss personally with the students the particular things which puzzle them. Instructors for this work have been chosen not only on account of their capacity as teachers, but for their ability to meet the students in a real spirit of fellowship so as the more effectively to help them over the difficult places. It is, in a measure, a modification of the tutorial system, but with this difference—the aid given to the student is in addition to his ordinary courses of instruction, to fill up the gaps, as it were, that are left in instructing students in too large groups.

It may be objected that such advice outside of class hours is not part of the function of the professor giving the course. There is truth in the objection, but the two chief difficulties are these: The professor may clear up only a part of the problem, and the student may be diffident about asking him the same question over again. Secondly, the professor in his consultation period may be surrounded with so many questioners that he cannot give adequate attention to each. So far four of the younger men of the instructing staff are meeting the students, and in order that the best results may be secured the conferences are of the most informal character, resembling rather meetings between fellow students than between teacher and pupil.

If the students will avail themselves of the opportunity thus offered the scheme should be of great assistance. One is inclined to think that the experiment would work best on a somewhat larger scale, so that it would be an entirely usual and inconspicuous thing for the student thus to seek aid in his difficulty. However, even on the very modest scale now undertaken it is a useful experiment in education.—*Engineering Record*.

## Death of Isaac Rich

Isaac Rich, '78, died at his home in Somerville, Mass., March 11, of heart disease. He studied civil engineering at the Institute of Technology from 1874 to 1878, and after graduation spent a number of years in California in the employ of the Southern Pacific Railway. In 1888 he returned East and was employed by the Boston & Maine, and the New York, New Haven & Hartford Railroad. He is survived by a widow.

## Legacy to the Institute

By the will of the late Frank W. Bowles, a retired Boston merchant who died at Hotel Vendome March 30, the Institute of Technology receives a bequest of \$10,000 in memory of the testator's father, Levi Bowles. The will disposes of upwards of a million dollars worth of property.